

WF-D190H MKII-A1

## 90-CHANNEL UHF DIGITAL WIRELESS HAND-HELD MICROPHONE SYSTEM A1 (521.4 - 549.6MHZ)

WF-D190 MKII adopts a brand-new **digital transmission technology** and hardware encryption of audio data that enable superior audio quality compared to analog UHF systems, very-low latency (better than 2.4GHz systems) and maximum security due to the cryptographic hardware.

The unique **16bit digital ID pilot technology** avoids interferences even on same frequency, and allows continuous exchange of data between transmitter and receiver, such as battery level, transmission power, squelch operation, etc.

The system is also equipped with **automatic frequency scanning** and frequency spectrum display, which allow the user to select the less disturbed frequencies in every environment it operates. It features 90 frequencies, divided into 15 groups, each of which contains 6 channels.

The user interface is very simple and intuitive, thanks to the **TFT color display** on the receiver and the simplicity of its setup menus. The handheld transmitter and the bodypack, however, are equipped with LCD display with auto-off function, to save battery consumption.

The handheld microphone is also equipped with **rechargeable lithium battery** that can be recharged via the USB port on the back of the receiver. Finally, two 19" rack mount kit are available to install 1 or 2 receivers, respectively, in 1 or 2 rack units.





## PRODUCT DETAILS

### KEY FEATURES

UHF A1-Band operation (521.4 - 549.6MHz)

Digital audio transmission technology

Unique digital 16-bit ID pilot technology

Transmitter AF-level, Audio-level and Battery-Low monitoring on the Receiver

Double antenna diversity technology

No crosstalk disturbance even on same frequency

Ultra-short audio latency

48kHz sampling frequency

30-20kHz frequency response

Colorful TFT display and menu settings on receiver

Auto frequency scanning and spectrum display

50m Ideal Distance (without obstacles)

Infrared Tx-Rx synchronization system for quick system setting

Professional Handheld Microphone with Professional Dynamic Cardioid Capsule and rechargeable Lithium Battery

Rack-Mount Kit for 1 or 2 receiver units to 1x or 2x 19" rack unit (optional)

Detachable Antennas with BNC connector

## SPECIFICATIONS

|   |   |
|---|---|
| <b>System Carrier Frequency</b>             | UHF 521.4 - 549.6MHz  |
| <b>System Bandwidth</b>                     | 9MHz  |
| <b>System Channel Bandwidth</b>             | 100kHz  |
| <b>Preset Group/Channel</b>                 | 15 groups, 6 frequencies in each group                      |
| <b>Dynamic Range</b>                        | >98dB   |
| <b>Total Harmonic Distortion</b>            | <0.1%   |
| <b>Frequency Response</b>                   | 30Hz-20kHz / $\pm 2$ dB                                     |
| <b>Audio Output Level</b>                   | Balanced 400mV; Unbalanced 400mV                            |
| <b>System Packing Dimensions (WxHxD)</b>    | 436 x 104 x 324 mm  |
| <b>System Packing Gross Weight</b>          | 2.5 kg  |
| <b>Power Supply</b>                         | DC 12V / 1000mA   |
| <b>Receiver Consume Power</b>               | 5W  |
| <b>Receiver Signal/Noise Ratio</b>          | >98dB   |
| <b>Receiving Sensitivity</b>                | -96dBm  |
| <b>Transmission Delay</b>                   | <3ms  |
| <b>Receiver Dimensions (WxHxD)</b>          | 210 x 45 x 118 mm (antennas not incl.)                      |
| <b>Receiver Antenna</b>                     | 255 mm (not bent) with BNC connector                        |
| <b>Receiver Net Weight</b>                  | 0.4 kg  |
| <b>Transmitter Power</b>                    | 10mW (Max)  |
| <b>Modulation Type</b>                      | DQPSK   |
| <b>Battery Voltage Handheld Transmitter</b> | 1x 3.7V - 1200mAh Lithium Rechargeable Battery (type 18500) |
| <b>Transmitter Continuous Using</b>         | 5 hours (HI Trans. power); 7 hours (LO Trans. power)        |
| <b>Battery Charge Time</b>                  | About 3,5 hours   |
| <b>Hand-held Mic. Dimensions (W/DxH)</b>    | Ø35 (min) - Ø46 (max) x 240 mm                              |
| <b>Hand-held Mic. Net Weight</b>            | 0.26 kg (batteries included)                                |